

PATENT APPLICATION

IN THE UNITED STATES PATENT
AND TRADEMARK OFFICE

Applicant: **HAFEN, Ernst**

U.S. National Phase of PCT/IB99/01166 filed 22
June 1999

Filed: Herewith

For: **IN VIVO INSECT MODEL SYSTEM
FOR TYPE-2 DIABETES**

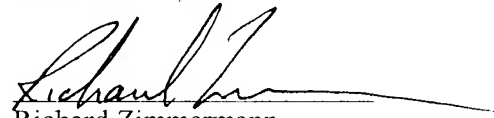
Group Art Unit: Unassigned

Examiner: Unassigned

Attorney Docket No. 27656/35053

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) December 20, 2001

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) Richard Zimmermann
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PRELIMINARY AMENDMENT ACCOMPANYING FILING
OF NATIONAL STAGE APPLICATION UNDER 35 U.S.C. 371

Box PCT
Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

AMENDMENT

Please amend claims 1, 4-5, 8-10, 12-14, 17-18, 21, 23, 25-31 as follows:

In the Claims:

1. [AMENDED] A method for searching for compounds or mutations interacting directly or indirectly with the insulin signaling pathway, characterized in that a viable *chico* mutant insect is treated with at least one compound or with at least one mutation generating means, and that the effect of such treatment on the body size, cell size, development time or lipid level is determined whereby alterations of the body size, cell size, development time or lipid level are detectable in at least part of the animal.